

(19) World Intellectual Property
Organization
International Bureau



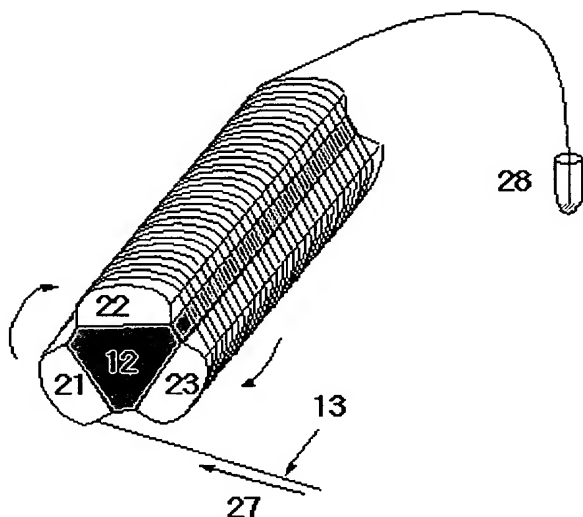
(43) International Publication Date
18 August 2005 (18.08.2005)

PCT

(10) International Publication Number
WO 2005/075683 A1

- (51) International Patent Classification⁷: **C12Q 1/68**
- (21) International Application Number:
PCT/KR2004/000194
- (22) International Filing Date: 3 February 2004 (03.02.2004)
- (25) Filing Language: Korean
- (26) Publication Language: English
- (71) Applicant (for all designated States except US):
POSTECH FOUNDATION [KR/KR]; San 31, Hy-oja-dong, Nam-gu, Pohang, Kyungsangbuk-do 790-784 (KR).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): **HAHN, Jong Hoon** [KR/KR]; Kyosu Apt. C-803, #756, Jigok-dong, Nam-gu, Pohang, Kyungsangbuk-do 790-390 (KR). **PARK, Nokyoung** [KR/KR]; Postech Dormitory 19-202, San 31, Hyoja-dong, Nam-gu, Pohang, Kyungsangbuk-do 790-784 (KR). **LIM, Kwanseop** [KR/KR]; Postech Dormitory 904, #133, Jigok-dong, Nam-gu, Pohang, Kyungsangbuk-do 790-390 (KR).
- (74) Agents: **JANG, Seongku** et al.; 19th Fl., KEC Building, #275-7, Yangjae-dong, Seocho-ku, Seoul 137-130 (KR).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:**
— with international search report
— with amended claims
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: HIGH THROUGHPUT DEVICE FOR PERFORMING CONTINUOUS-FLOW REACTIONS



(57) Abstract: A high-throughput device is structured to perform a continuous-flow reaction, e.g., a polymerase chain reaction (PCR) requiring repetitive temperature control in a timely fashion.